SEQUENCE LISTING

<110> Gencell S.A.
; Aventis Pharmaceuticals, Inc.
Soubrier, Fabienne

<120> Circular DNA Molecule with Conditional Origin of Replication, Method for Preparing Same, and Use Thereof in Gene Therapy

<130> 8888.0132-02

<150> US 10/268,948

<151> 2002-10-11

<150> US 09/043,193

<151> 1998-03-13

<150> PCT/FR96/01414

<151> 1996-09-13

<160> 39

<170> PatentIn version 3.1

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ccttatatat tcttttttt cttataaaac ttaaaacctt agaggctatt taagttgctg 180

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aagcgagtga tgtatatggc gcttgctccc attgatagca aagaacctct tgaacgaggg 180

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ggggatgata tcattgcttt agctaaagag cttaacctgc cctttactgc taaaaactcc 360

cctgaagagt tagatcttaa cattattgag tggatagctt attcaaatga tgaaggatac 420

ttgtctttaa aattcaccag aaccatagaa ccatatatct ctagccttat tgggaaaaaa 480

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atttccgttg atgagttaaa ggaagagtta acagcttata cttttgataa agatggaaat 660

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acggcaagct tacgcttaag tagccagtat tcatcttctc tttatcaact tatcaggaag 540

cattactcta attttaagaa gaaaaattat tttattattt ccgttgatga gttaaaggaa 600

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Leu Glu Arg Gly Arg Val Phe Lys Ile Arg Ala Glu Asp Leu Ala Ala
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Leu Ala Lys Ile Thr Pro Ser Leu Ala Tyr Arg Gln Leu Lys Glu Gly
65                  70                  75                  80

Gly Lys Leu Leu Gly Ala Ser Lys Ile Ser Leu Arg Gly Asp Asp Ile
                85                  90                  95

Ile Ala Leu Ala Lys Glu Leu Asn Leu Leu Phe Thr Ala Lys Asn Ser
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Pro Glu Glu Leu Asp Leu Asn Ile Ile Glu Trp Ile Ala Tyr Ser Asn
        115                 120                 125

Asp Glu Gly Tyr Leu Ser Leu Lys Phe Thr Arg Thr Ile Glu Pro Tyr
    130                 135                 140

Ile Ser Ser Leu Ile Gly Lys Lys Asn Lys Phe Thr Thr Gln Leu Leu
145                 150                 155                 160

Thr Ala Ser Leu Arg Leu Ser Ser Gln Tyr Ser Ser Ser Leu Tyr Gln
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Leu Ile Arg Lys His Tyr Ser Asn Phe Lys Lys Lys Asn Tyr Phe Ile
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Ile Ser Val Asp Glu Leu Lys Glu Glu Leu Ile Ala Tyr Thr Phe Asp
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Lys Asp Gly Asn Ile Glu Tyr Lys Tyr Pro Asp Phe Pro Ile Phe Lys
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Ala Phe Leu Lys Val Phe Asp Glu Thr Val Pro Pro Lys Lys Ala Lys
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Gly
305


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